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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/068,079	02/05/2002	Josef Ezra	07072-149001	7456

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EXAMINER

MASKULINSKI, MICHAEL C

ART UNIT PAPER NUMBER

2113

DATE MAILED: 11/15/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/068,079

Applicant(s)

EZRA ET AL.

Examiner

Michael C Maskulinski

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 05 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-9 and 12-14 is/are rejected.
- 7) ☒ Claim(s) 2, 3, 10 and 11 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 05 February 2002 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/17/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

Non-Final Office Action

Drawings

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: 48d of Figure 3.
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 62a (page 6, line 3), 62c (page 6, line 4).
3. Further, on page 6, line 1, "targets 46a through 46b" should be changed to targets "46a through 46d" in accordance with the drawings. On page 7, line 9 refers to the "host computer" by reference character 72. The drawings show that "host computer" is indicated by reference 70. This should be corrected in the description.
4. Corrected drawing sheets, or amendment to the specification to add the reference character(s) in the description are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

5. The disclosure is objected to because of the following informalities: on page 2 of the summary, line 2, "target sit" should be changed to "target site." Additionally, on page 2 of the summary, line 15, the phrase "to be used control" should be changed to "to be used to control."

Appropriate correction is required.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a Patent unless –

(e) the invention was described in (1) an application for Patent, published under section 122(b), by another filed in the United States before the invention by the applicant for Patent or (2) a Patent granted on an application for Patent by another filed in the United States before the invention by the applicant for Patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

7. Claims 1, 4-9, and 12-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Willems et al., U.S. Patent 6,804,813 B1.

Referring to claim 1:

a. In column 6, lines 23-38, Willems et al. disclose debugging a target machine with an analysis debugger (selecting targets on different processors at a target site).

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b. In column 4, lines 27-36, Willems et al. disclose a remote debugger with a symbol resolution system (associating each target with a session and the session with a symbol table).

c. In column 4, lines 48-58, Willems et al. teach using the session to direct debugger information to the target with which the session is associated.

Referring to claim 4, in column 4, lines 48-58, Willems et al. disclose that each session is node specific (the session is different for each of the targets).

Referring to claim 5, in column 4, lines 59-65, Willems et al. disclose that the symbol resolution system of the symbolic kernel debugger has a library of symbol files. This library contains symbol files suitable for several operating system versions that could be found on a target machine. The symbol resolution system automatically identifies the operating system version present on the target machine and locates appropriate symbol files in its library (determining that the executable binary codes of the targets each have a different symbol table).

Referring to claim 6, in column 4, lines 48-58, Willems et al. disclose that each command plug-in has operating specific knowledge and related commands. This knowledge includes by way of example and not of limitation knowledge of the format of each node of, and the root symbol name of, the process list. These commands include, for example, commands to display processes, with names, and the threads linked to those processes (the session uses the symbol table with which it is associated to determine an address to be associated with the debugger information, the symbol table corresponding to the executable binary code on at least one of the targets).

Referring to claims 7 and 9, in column 4, lines 48-58, Willems et al. disclose that each command plug-in has operating specific knowledge and related commands. This knowledge includes by way of example and not of limitation knowledge of the format of each node of, and the root symbol name of, the process list. These commands include, for example, commands to display processes, with names, and the threads linked to those processes. Further, in column 4, lines 59-65, Willems et al. disclose a library of symbol files suitable for several operating system versions that could be found on a target machine (the session uses the symbol table with which it is associated to determine an address to be associated with the debugger information, the symbol table corresponding to the executable binary code on more than one of the targets).

Referring to claim 8, in column 2, lines 5-8, Willems et al. disclose that the symbol resolution system uses a list to translate symbolic requests by service personnel into memory addresses having variables to be read or function entry points to be called or intercepted (the targets correspond to executable binary code that executes on a storage controller of a data storage system).

Referring to claims 12, 13, and 14:

a. In column 6, lines 23-38, Willems et al. disclose debugging a target machine with an analysis debugger. Further, in column 6, lines 61-65, Willems et al. discloses displaying data for viewing by service personnel on a display apparatus (using a single user interface coupled to a debugger tool at the debugger site to select at least two targets running on separate processors at the target site).

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- b. In column 4, lines 27-36, Willems et al. disclose a remote debugger with a symbol resolution system (associating each target with a session and the session with a symbol table).
- c. In column 4, lines 48-58, Willems et al. teach using the session to direct debugger information to the target with which the session is associated.

Allowable Subject Matter

- 8. Claims 2, 3, 10, and 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

- 9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 5,325,530 A	Mohrmann
U.S. Patent 6,158,045 A	You
U.S. Patent 6,275,956 B1	On et al.
U.S. Patent 6,324,683 B1	Fuh et al.
U.S. Patent 6,754,891 B1	Snyder et al.
US 2002/0100024 A1	Hunter et al.


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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael C Maskulinski whose telephone number is (571) 272-3649. The examiner can normally be reached on Monday-Friday 9:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W Beausoliel can be reached on (571) 272-3645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MM


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